

Mechanical Pressure Switch



SERIES 300

The NOSHOK 300 Series Mechanical Pressure switch is constructed with a thermoplastic housing and zinc plated steel process connection. Utilizing a proven diaphragm or piston type sensing technology it provides a highly reliable, accurate and cost effective pressure switch for many applications. The micro switch contacts are silver plated for extended service life and exceptional reliability. Switching functions are field adjustable, while under pressure, and is available in SPDT single changeover contact configuration.

The NOSHOK 300 Series Mechanical Switch is available in a wide variety of ranges and comes standard with a Hirschmann electrical connection.

SPECIFICATIONS

Pressure Ranges	0 psig to 375 psig through 0 psig to 6000 psig	
Measuring Element	Viton® diaphragm < 750 psig Steel piston with Viton® seal > 750 psig	
Process Connection	1/4" NPT standard, others available on request	
Connection Material	Zinc plated steel	
Case	Thermoplastic	
Switching Function	SPDT, micro switch with silver plated contacts, gold plated contacts available on request	
Adjustment	Adjustment screw from 3 psig to 6000 psig dependent on full scale range	
Hysteresis	10% to 20% of the adjusted value	
Repeatability	4% of the adjusted value	
Contact Rating	up to 42 VDC	1A
	up to 110 VDC	0.15A
	up to 42 VAC	3A
	up to 125 VAC	3A
	up to 250 VAC	0.5A
Temperature Ranges	Storage	-13° F to 185° F / -25° C to 85° C
	Media	-13° F to 185° F / -25° C to 85° C
	Ambient	-13° F to 185° F / -25° C to 85° C
Electrical Connection	Hirschmann (DIN 43650A)	
Environmental Protection	NEMA 4: IP65	
Weight	Approximately 0.2 lbs	

Viton® is a registered trademark of DuPont Dow Elastomers

FEATURES

- Measuring ranges from 375 psig to 6000 psig
- Field adjustable switching point
- Diaphragm or piston type sensing element
- Micro-switch technology
- Hirschmann electrical connection

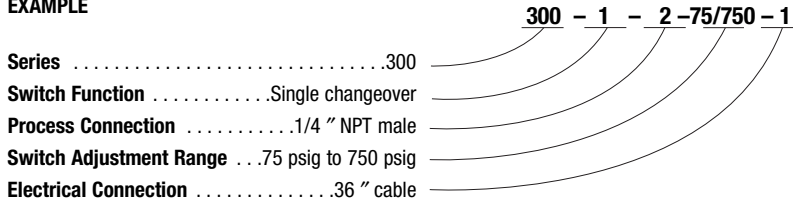
APPLICATIONS

- Hydraulic systems
- Industrial machinery and machine tools
- Stamping and forming presses
- Pumps and compressors

ORDERING INFORMATION				
SERIES 300				
SWITCH FUNCTION	1 Single Changeover contact, SPDT			
PROCESS CONNECTIONS	1 1/8" NPT Male	2	1/4" NPT Male	
SWITCH ADJUSTMENT RANGE (MAXIMUM WORK PRESSURE)	3 psig to 40 psig (375 psig)	3/40	150 psig to 1500 psig (4500 psig)	150/1500
	15 psig to 200 psig (375 psig)	15/200	300 psig to 3000 psig (4500 psig)	300/3000
	75 psig to 750 psig (3000 psig)	75/750	750 psig to 6000 psig (7500 psig)	750/6000
ELECTRICAL CONNECTIONS	1 .36" Cable (connected to option 8)		8 Hirschmann (DIN EN 175301-803 Form A)	

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

EXAMPLE



Additional Ordering Information
Switch Set Point(s) (please specify)

Outline Dimensions



Switching Output Schematic

